

Title (en)

METHOD FOR PRODUCING A PRODUCT, IN PARTICULAR AMMONIA, FROM A SYNTHESIS GAS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES PRODUKTS, INSBESONDERE VON AMMONIAK AUS EINEM SYNTHESSEGAS

Title (fr)

PROCÉDÉ POUR LA PRÉPARATION D'UN PRODUIT, EN PARTICULIER D'AMMONIAC À PARTIR D'UN GAZ DE SYNTHÈSE

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Application

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Abstract (en)

[origin: WO2018069212A1] The invention relates to a method and a device for producing a product, in particular ammonia, from synthesis gas by means of a mixed circuitry consisting of two sequential synthesis circuits which are operated at a virtually identical pressure level and also work in parallel with each other. According to the invention, a recirculated circuit gas (B) from a first synthesis circuit is mixed with fresh synthesis gas (A) and then divided into two sub-flows (D) and (E) upstream of a first ammonia synthesis unit (4), wherein the second sub-flow (E) is transferred into a second synthesis circuit, mixed there with a recirculated circuit gas (H) from the second synthesis circuit, and fed to a second ammonia synthesis unit (7).

IPC 8 full level

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